

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	28837	706/15,19.ccls. or (neural adj (net or network))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 13:02
S2	4729	706/13.ccls. or (genetic adj algorithm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 12:48
S3	6527	706/1-4,8-9.ccls. or (fuzzy adj control) or (fuzzy with inference) or (defuzzification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 12:50
S4	1121	(cut\$4 with (speed or velocity)) and (feed with rate) and hard\$4 and material and (depth with cut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 12:52
S5	244	(face with milling) and (end with milling) and turning and drill\$3 and cut\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:23
S6	12	(S1 or S2 or S3) and (S4 or S5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:21
S7	172	706/904,912.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 12:57
S8	71	(S1 or S2 or S3) and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:27
S9	1	S8 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 12:58

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S10	0	S8 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 12:57
S11	1	S5 and (S1 or S2 or S3 or S6 or S8 or S9 or S10)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:23
S12	17	S5 and (S4 or S7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:23
S13	165005	milling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:23
S14	223	S13 and (S1 or S2 or S3 or S6 or S8 or S9 or S10)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:23
S15	12	S13 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:27
S16	10	S6 and face	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:28
S17	2	S6 and (face with milling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:29
S18	1	S6 and (end with milling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:28

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S19	11	S6 and (turning)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:30
S20	2	(US-6804575-\$ or US-6907312-\$).did.	USPAT	OR	ON	2006/01/20 15:27
S21	2	(US-6804575-\$ or US-6907312-\$).did.	USPAT	OR	ON	2006/01/20 15:27
S22	2	S20 and (gene genetic\$5 or evolution\$3 or evolv\$4 or chromosome or generation or population)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:34
S23	1	706/13.ccls. and CNC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:34
S24	0	706/13.ccls. and machinability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:34
S25	2	706/13.ccls. and numerical adj control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:34
S26	910907	(CNC or (numerical control)) and (gene genetic\$5 or evolution\$3 or evolv\$4 or chromosome or generation or population)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:35
S27	363252	(CNC or (numerical control)) and (gene or genetic\$5 or evolution\$3 or evolv\$4 or chromosome or population)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:35
S28	391	S27 and machinability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:36
S29	225	S28 and (milling or turning or drilling or cutting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:36

EAST Search History

S30	7	S28 and (milling and turning and drilling and cutting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:36
S31	26	S28 and (mill\$3 and turning and dril\$4 and cut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:40
S32	90	S29 and tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:41
S33	77	S32 not S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:41
S34	72	S33 and condition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:41
S35	45	S34 and data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:42
S36	12	S35 and feed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:42
S37	1	"5493502".pn. and (depth or cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 16:41
S38	0	S37 and fuzzification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:44

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S39	529	fuzzification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:45
S40	26171	fuzzy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:45
S41	517	S39 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:46
S42	295	S41 and inferenc\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:46
S43	183	S42 and (NC or CNC or mill\$3 or drill\$3 or turn\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:47
S44	4	S42 and (NC or CNC or mill\$3 or drill\$3 or turn\$3 or cut\$4) and (cut\$4 with speed) and (feed\$1rate or feedrate or (feed adj rate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:53
S45	14	S42 and (NC or CNC) and (mill\$3 or drill\$3 or turn\$3 or cut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:53
S46	17	S42 and (NC or CNC or (numerical adj control)) and (mill\$3 or drill\$3 or turn\$3 or cut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:43
S47	4	"5493502".pn. or "5598512".pn..or "5532932".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 09:59

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S48	0	S47 and fuzzification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 16:43
S49	0	S47 and defuzzification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 16:43
S50	4	"5493502".pn. or "5598512".pn. or "5532932".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:33
S51	3	S50 and input	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 13:55
S52	2	"5768137".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 17:46
S53	1	S52 and workpiece	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 13:56
S54	1	S52 and input	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 13:56
S55	1	S53 and S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:24
S56	2	S52 and (condition or characteristic or tool or machining or workpiece)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:55

EAST Search History

S57	1	S52 and ((face near3 mill\$3) or (end near3 mill\$3) or turn\$3 or drill\$3 or cut\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:56
S58	4	"5493502".pn. or "5598512".pn. or "5532932".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:34
S59	50	(cut\$3 with speed) same ((feed with rate) or feed\$1rate) same ((hard\$4 or material) with workpiece) same ((hard\$4 or material) with tool) same ((depth with cut) or depth\$1of\$1cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 17:49
S60	0	S58 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:37
S61	271	(cut\$3 with speed) and ((feed with rate) or feed\$1rate) and ((hard\$4 or material) with workpiece) and ((hard\$4 or material) with tool) and ((depth with cut) or depth\$1of\$1cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:38
S62	136	(tool with characteristic) and (workpiece with characteristic) and (machine with condition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:39
S63	3	S61 and S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:39
S64	1	S62 and S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:40
S65	1	S63 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:40

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S66	210047	NC or CNC or (numerical adj control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:44
S67	19	S59 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 16:00
S68	2	S66 and (S59 same input)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 16:20
S69	2	S68 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 16:48
S70	2	S68 and tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 16:48
S71	1	S52 and (neural or ANN or NN)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 17:49
S72	305	(neural or ANN or NN) and (cut\$3 with speed) and ((feed with rate) or feed\$1rate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 18:03
S73	41	S72 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/25 11:10
S74	387	(neural or ANN or NN) and (cut\$4 with speed) and ((feed with rate) or feed\$1rate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 18:03

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S75	53	S74 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 18:03
S76	12	S75 not S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 18:03
S77	1	(US-20030187624-\$).did.	US-PGPUB	OR	ON	2006/01/25 10:06
S78	1	S77 and (input or multilayer or MLP or output or feed or speed)	US-PGPUB	OR	ON	2006/01/25 10:17
S79	0	S77 and neuron	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/25 10:12
S80	0	S77 and infer\$	US-PGPUB	OR	ON	2006/01/25 10:17
S81	1	(US-5473532-\$).did.	USPAT	OR	ON	2006/01/25 11:10
S82	0	S81 and (neuron or multilayer or MLP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/25 11:11
S83	882110	material with type	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/11 15:10
S84	2364	workpiece with hardness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/11 15:09
S85	109996	cut\$4 with speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/11 15:10
S86	51595	depth with cut	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/11 15:10

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S87	5	S83 same S84 same S85 same S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/12 12:33
S88	882495	material with type	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/12 12:33
S89	2364	workpiece with hardness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/12 12:33
S90	110031	cut\$4 with speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/12 12:33
S91	51615	depth with cut	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/12 12:33
S92	5	S88 same S89 same S90 same S91	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/12 12:33
S93	5	S92 and hardness and material	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:09
S94	22921	(genetic\$5 evolution\$5) with (algorithm program\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:11
S95	28139	fuzzy \$2fuzzifi\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:12

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S96	2006	S95 same (optimal optimiz\$6 optimis\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:14
S97	199	S94 same S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:13
S98	5972	(S95 with rules)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:14
S99	418	S98 same (optimal optimiz\$6 optimis\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:14
S100	418	S99 same S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:15
S101	59	S99 same S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:15
S102	46	S101 and (@pd<"20021118" @ad<"20021118")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:15
S103	30	(US-20040179915-\$ or US-20030187624-\$ or US-20010051476-\$ or US-20010044661-\$).did. or (US-5768137-\$ or US-6101444-\$ or US-6078911-\$ or US-5659479-\$ or US-5517420-\$ or US-6804575-\$ or US-6438445-\$ or US-6415191-\$ or US-5917726-\$ or US-5598512-\$ or US-5532932-\$ or US-5493502-\$ or US-5377116-\$ or US-5473532-\$ or US-6907312-\$ or US-6668201-\$ or US-5995737-\$ or US-6561992-\$ or US-5727130-\$ or US-6895286-\$ or US-6735576-\$ or US-6853991-\$ or US-5774630-\$ or US-6012015-\$ or US-6496761-\$ or US-6349293-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/13 12:37

EAST Search History

S10 4	6	S103 and (inference with neur\$4)	US-PGPUB; USPAT	OR	ON	2006/09/13 12:37
S10 5	1	(US-5768137-\$).did.	USPAT	OR	ON	2006/09/13 13:55
S10 6	1	S105 and C	USPAT	OR	ON	2006/09/13 13:55
S10 7	2	"4150327".pn. and C	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:01
S10 8	5	("4150327".pn. S105 "6349293".pn.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:02
S10 9	2	S108 and feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:30
S11 0	3	S108 and cutting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:31
S11 1	3	S108 and cutting and speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:31

NPL search.txt

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Google (20-January-2006):

genetic and CNC

genetic and "numeric control"

(genetic algorithm) AND "numeric control" AND machinability

(genetic algorithm) AND "numeric control" AND "machinability"

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Google Scholar (20-January-2006):

genetic CNC machinability

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Google (23-January-2006):

"workpieces by genetic algorithms"

genetic workpiece

initial workpiece (population OR generation)

initial workpiece (population OR generation) genetic